

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 January 2005 (06.01.2005)

PCT

(10) International Publication Number
WO 2005/001966 A2

(51) International Patent Classification⁷: **H01M 4/88**, 8/10

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(21) International Application Number:

PCT/EP2004/006849

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(22) International Filing Date: 24 June 2004 (24.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

03 01 4405.9 27 June 2003 (27.06.2003) EP

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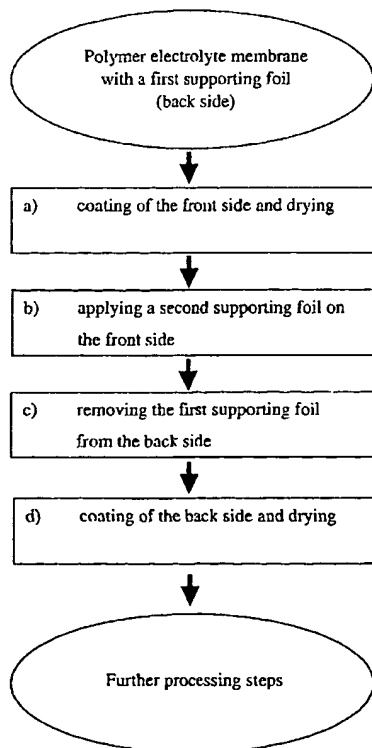
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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: PROCESS FOR MANUFACTURING A CATALYST-COATED POLYMER ELECTROLYTE MEMBRANE



(57) Abstract: The present invention relates to a process for manufacture of a catalyst-coated polymer electrolyte membrane (CCM) for electrochemical devices. The process is characterized in that a polymer electrolyte membrane is used which is supported on its backside to a first supporting foil. After coating of the front side, a second supporting foil is applied to the front side, the first supporting foil is removed and subsequently the second catalyst layer is applied to the back side. In this process, the membrane is in contact with at least one supporting foil during all processing steps. Smooth, wrinkle-free catalyst-coated membranes are obtained in a continuous process with high production speed. The 3-layer catalyst-coated membranes (CCMs) are used in electrochemical devices, such as PEM fuel cells, direct methanol fuel cells (DMFC), sensors or electrolyzers.

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FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
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